

ABSTRACT

Method for determining deposit formation tendencies for a plurality of fluid samples of different compositions is provided. Each sample includes one or more lubricating oil compositions comprising one or more base oils of lubricating viscosity and one or more lubricating oil additives. The methods can advantageously be optimized using combinatorial chemistry, in which a database of combinations of lubricating oil compositions are generated. As market conditions vary and/or product requirements or customer specifications change, conditions suitable for forming desired products can be identified with little or no downtime.